

What Is Claimed Is:

1. A method for detecting knocking, in which a measuring signal of a knock sensor (2) is evaluated during combustion in a cylinder of an internal combustion engine to determine whether or not the combustion is taking place with knocking, wherein the measuring signal is subdivided into a plurality of time windows (11, 12, 13), an examination is performed for each window (11, 12, 13) to determine whether the combustion occurred with knocking, and the results of the plurality of windows (11, 12, 13) are compared to each other for the final assessment of whether the combustion occurred with knocking.
2. The method as recited in Claim 1, wherein the combustion is finally evaluated as occurring with knocking if a knocking combustion is detected in a majority of the plurality of windows (11, 12, 13).
3. The method as recited in Claim 1 or 2, wherein at least three measuring windows (11, 12, 13) are provided, and the combustion is finally evaluated as occurring with knocking if a knocking combustion is detected in at least two of the windows (11, 12, 13).
4. The method as recited in one of the preceding claims, wherein the length of the windows (11, 12, 13) is predefined in a fixed manner.
5. The method as recited in Claims 1 through 3, wherein the length of the windows is changed as a function of the speed of the internal combustion engine.
6. The method as recited in one of the preceding claims, wherein the windows (11, 12, 13) are defined as a time range or an angle range.
7. The method as recited in one of the preceding claims, wherein gaps are provided between the windows (11, 12, 13), and no examination of whether the combustion occurred with knocking takes place in the gaps.

8. A device for detecting knocking, in which a measuring signal of a knock sensor (2) is evaluated during combustion in a cylinder of an internal combustion engine to determine whether or not the combustion is taking place with knocking, wherein the measuring signal is subdivided into a plurality of time windows (11, 12, 13), an examination is performed for each window (11, 12, 13) to determine whether the combustion occurred with knocking, and the results of the plurality of windows (11, 12, 13) are compared to each other for the final assessment of whether the combustion occurred with knocking.

9. The device as recited in Claim 8, wherein the combustion is finally evaluated as occurring with knocking if a knocking combustion is detected in a majority of the plurality of windows (11, 12, 13).

10. The device as recited in Claim 8 or 9, wherein at least three measuring windows (11, 12, 13) are provided, and the combustion is finally evaluated as occurring with knocking if a knocking combustion is detected in at least two of the windows (11, 12, 13).

11. The device as recited in one of the preceding claims, wherein the length of the windows (11, 12, 13) is predefined in a fixed manner.

12. The device as recited in Claims 8 through 10, wherein the length of the windows is changed as a function of the speed of the internal combustion engine.

13. The device as recited in one of the preceding claims, wherein the windows (11, 12, 13) are defined as a time range or angle range.

14. The device as recited in one of the preceding claims, wherein gaps are provided between the windows (11, 12, 13), and no examination of whether the combustion occurred with knocking takes place in the gaps.